



### Solution

The LBC 3200/00 line array loudspeakers (1) from the XLA 3200 range are the most suitable for this type of application. Despite being only 60 cm high and 8 cm wide, they can cover a relatively large area with high-quality reproduction of speech. Their directivity and suppressed side lobes minimize the risk of microphone feedback. They also generate uniform sound distribution throughout the entire listening area, so the sound is not too loud at the front and not too quiet at the back. XCA 3200 line Arrays can also be mounted on a wall or directly onto a floorstand (2) without the need for any additional accessories. The LBC 3200/00 produces surprisingly high performance for its size.

The press conference table is equipped with four CCS 800 discussion units (5), each with a microphone and loudspeaker. These units are connected to a control and power supply unit, whose line output feeds into a Plena public address mixer amplifier (3). The XLA 3200 loudspeakers are connected directly to the 100 V output of the Plena. High-quality sound is then broadcast throughout a 10 m radius in front of the speakers. For coverage of a larger area, extra loudspeakers can be installed at appropriate intervals. If background music is also required (for instance before the press conference begins), a music source can simply be connected to the Plena amplifier.

Configuration		
LBC 3200/00, XLA 3200 45/30W line arrays	: 2x	(1)
LBC 1259/00, Loudspeaker stand	: 2x	(2)
LBB 1906/10, Plena 90/60W mixer amplifier	: 1x	(3)
LBB 2900/xx, Dynamic hand-held microphone	: 1x	(4)
CCS 800 congress system		(5)

## XLA 3200 loudspeakers in press rooms



Security Systems



The XLA 3200 (eXtended Listening Area) is a range of three line array loudspeakers. Through advanced filtering and positioning of the loudspeaker drivers, these line arrays offer greatly improved audio directivity. This means that all relevant frequencies are present over a wider area than with conventional loudspeaker columns, so more listeners can enjoy clear speech and natural music reproduction. A new approach to mounting makes XLA 3200 line arrays extremely easy to install.

### Press rooms

This application note describes how XLA 3200 line array loudspeakers can be used as part of a system which provides clear sound reproduction in press rooms and other similar indoor venues.

### Introduction

In press rooms and other areas where one or more speakers address a relatively small audience, it is essential that the information given comes across clearly and accurately, because any misunderstandings could have serious consequences. Excellent reproduction of speech is therefore of paramount importance. It is also vital to ensure there is no acoustical feedback between the (often many) microphones and loudspeakers. As press conferences can often be called at short notice and take place in the first room available, so temporary public address installations are often required.

### Summary of requirements

- Excellent intelligibility of speech
- High gain before feedback
- Fixed or temporary installations